

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v24)**

1. Expand the following expression into standard form.

$$(7x + 8)(7x - 8)$$

2. Solve the equation with factoring by grouping.

$$20x^2 - 15x + 8x - 6 = 0$$

3. Expand the following expression into standard form.

$$(3x - 2)(5x - 8)$$

4. Factor the expression.

$$x^2 + 5x - 36$$

5. Solve the equation.

$$12x^2 + 74x + 68 = 5x^2 + 3x - 4$$

6. Factor the expression.

$$25x^2 - 36$$

7. Solve the equation.

$$(7x - 9)(3x + 4) = 0$$

8. Expand the following expression into standard form.

$$(7x - 9)^2$$